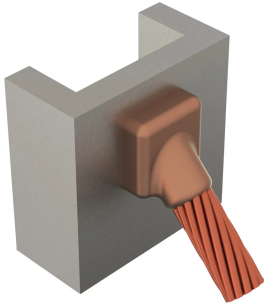


nVent ERICO Cadweld Exolon, Cable to Steel

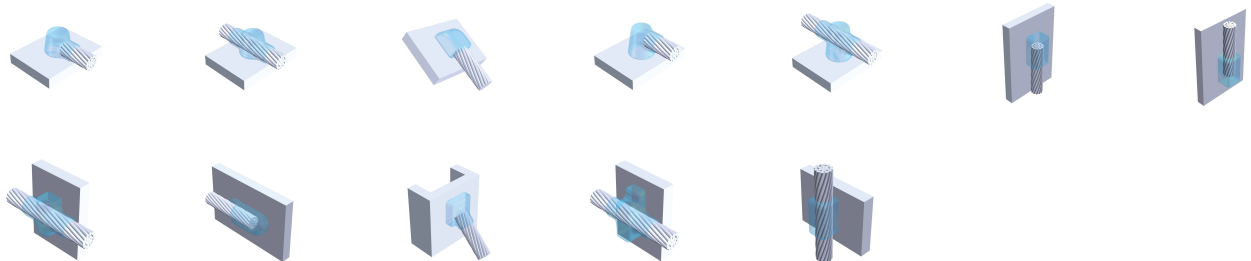


Developed in 1988, nVent ERICO Cadweld Exolon connections represented a significant advancement in welded electrical connections for sensitive indoor applications like data centers, hospitals, and other clean room environments. The virtual elimination of smoke and a unique electronic starting system makes this an ideal solution for sensitive applications. Each nVent ERICO Cadweld Exolon package contains ceramic filters that produce an extremely low emission connection.

CERTIFICATIONS



DIAGRAMS



FEATURES

Forms a permanent, low resistance connection

Provides a molecular bond

nVent ERICO Cadweld Exothermic Connections are rated with the same current capacity as the conductor

Portable installation equipment with no external source of power required

Installers can be easily trained to make nVent ERICO Cadweld Exothermic Connections

Connections can be visually inspected

SPECIFICATIONS

Table 1/2

Catalog Number	Mold Family	Connects To	Conductor Size	Conductor Outer Diameter, Nominal	Pipe Size	Outer Diameter
XLVSC1H	VS	Steel Pipe or Flat Surface	#6 Concentric	0.18"	24" Min	24" Min
XLVSC1HV3C	VS	Steel Pipe	#6 Concentric	0.18"	1 1/2" - 4"	1.900" - 4 1/2"
XLVSP1H	VS	Steel Pipe or Flat Surface	#6 Concentric	0.18"	24" Min	24" Min
XLVSP1HM	VS	Steel Pipe or Flat Surface	#6 Concentric	0.18"	24" Min	24" Min
XLVTC1H	VT	Steel Pipe or Flat Surface	#6 Concentric	0.18"	24" Min	24" Min
XLHAA1H	HA	Steel Pipe or Flat Surface	#6 Concentric	0.18"	24" Min	24" Min
XLHCA1H	HC	Steel Pipe or Flat Surface	#6 Concentric	0.18"	24" Min	24" Min
XLVBC1H	VB	Steel Pipe or Flat Surface	#6 Concentric	0.18"	24" Min	24" Min
XLHCA1K	HC	Steel Pipe or Flat Surface	#4 Solid	0.2"	24" Min	24" Min
XLHCA1K162C	HC	Steel Pipe	#4 Solid	0.2"	1 1/4" - 2"	1.660" - 2.38"
XLVFC1KV3C	VF	Steel Pipe	#4 Solid	0.2"	1 1/2" - 4"	1.900" - 4 1/2"
XLVSC1KV3C	VS	Steel Pipe	#4 Solid	0.2"	1 1/2" - 4"	1.900" - 4 1/2"
XLVSC1L	VS	Steel Pipe or Flat Surface	#4 Concentric	0.23"	24" Min	24" Min
XLVSC1LV3C	VS	Steel Pipe	#4 Concentric	0.23"	1 1/2" - 4"	1.900" - 4 1/2"
XLVTC1L	VT	Steel Pipe or Flat Surface	#4 Concentric	0.23"	24" Min	24" Min
XLVVC1L	VV	Steel Pipe or Flat Surface	#4 Concentric	0.23"	24" Min	24" Min

CatalogNumber	Mold Family	Connects To	Conductor Size	Conductor OuterDiameter, Nominal	Pipe Size	Outer Diameter
XLHAA1L	HA	Steel Pipe or Flat Surface	#4 Concentric	0.23"	24" Min	24" Min
XLHCA1L	HC	Steel Pipe or Flat Surface	#4 Concentric	0.23"	24" Min	24" Min
XLHCA1L1.50	HC	Steel Pipe	#4 Concentric	0.23"	1 1/2"	1.9"
XLHCA1L2	HC	Steel Pipe	#4 Concentric	0.23"	2" Min	2 3/8"
XLVBC1L	VB	Steel Pipe or Flat Surface	#4 Concentric	0.23"	24" Min	24" Min
XLHAA1T	HA	Steel Pipe or Flat Surface	#2 Solid	0.26"	24" Min	24" Min
XLHAA1T162C	HA	Steel Pipe	#2 Solid	0.26"	1 1/4" - 2"	1.660" - 2.38"
XLVFC1T	VF	Steel Pipe or Flat Surface	#2 Solid	0.26"	24" Min	24" Min
XLVFC1TV4	VF	Steel Pipe	#2 Solid	0.26"	4"	4 1/2"
XLVSC1TV3C	VS	Steel Pipe	#2 Solid	0.26"	1 1/2" - 4"	1.900" - 4 1/2"
XLVSC1TV5C	VS	Steel Pipe	#2 Solid	0.26"	4" - 6"	4 1/2" - 6 5/8"
XLVSC1V	VS	Steel Pipe or Flat Surface	#2 Concentric	0.29"	24" Min	24" Min
XLVSC1VV3C	VS	Steel Pipe	#2 Concentric	0.29"	1 1/2" - 4"	1.900" - 4 1/2"
XLVTC1V	VT	Steel Pipe or Flat Surface	#2 Concentric	0.29"	24" Min	24" Min
XLHAA1V	HA	Steel Pipe or Flat Surface	#2 Concentric	0.29"	24" Min	24" Min
XLHCA1V	HC	Steel Pipe or Flat Surface	#2 Concentric	0.29"	24" Min	24" Min
XLHSC1V	HS	Steel Pipe or Flat Surface	#2 Concentric	0.29"	24" Min	24" Min
XLVBC1V	VB	Steel Pipe or Flat Surface	#2 Concentric	0.29"	24" Min	24" Min

CatalogNumber	Mold Family	Connects To	Conductor Size	Conductor OuterDiameter, Nominal	Pipe Size	Outer Diameter
XLVFC1V	VF	Steel Pipe or Flat Surface	#2 Concentric	0.29"	24" Min	24" Min
XLHSC2C	HS	Steel Pipe or Flat Surface	1/0 Concentric	0.37"	24" Min	24" Min
XLVBC2C	VB	Steel Pipe or Flat Surface	1/0 Concentric	0.37"	24" Min	24" Min
XLVFC2C	VF	Steel Pipe or Flat Surface	1/0 Concentric	0.37"	24" Min	24" Min
XLVGC2C	VG	Steel Pipe or Flat Surface	1/0 Concentric	0.37"	24" Min	24" Min
XLVSC2C	VS	Steel Pipe or Flat Surface	1/0 Concentric	0.37"	24" Min	24" Min
XLVSC2CV3C	VS	Steel Pipe	1/0 Concentric	0.37"	2" - 4"	2 3/8" - 4 1/2"
XLVSC2CV8C	VS	Steel Pipe	1/0 Concentric	0.37"	6" - 10"	6 5/8" - 10 3/4"
XLVVR2C	VV	Steel Pipe or Flat Surface	1/0 Concentric	0.37"	24" Min	24" Min
XLVVR2CS	VV	Steel Pipe or Flat Surface	1/0 Concentric	0.37"	24" Min	24" Min
XLVGC2G	VG	Steel Pipe or Flat Surface	2/0 Concentric	0.42"	24" Min	24" Min
XLVNC2GLH	VN	Steel Pipe or Flat Surface	2/0 Concentric	0.42"	24" Min	24" Min
XLVSC2G	VS	Steel Pipe or Flat Surface	2/0 Concentric	0.42"	24" Min	24" Min
XLVSC2GV3C	VS	Steel Pipe	2/0 Concentric	0.42"	1 1/4" - 3 1/2"	1.66" - 4"
XLVSC2GV5C	VS	Steel Pipe	2/0 Concentric	0.42"	4" - 6"	4 1/2" - 6 5/8"
XLHFC2G	HF	Steel Pipe or Flat Surface	2/0 Concentric	0.42"	24" Min	24" Min
XLHSC2G	HS	Steel Pipe or Flat Surface	2/0 Concentric	0.42"	24" Min	24" Min
XLHTC2G	HT	Steel Pipe or Flat Surface	2/0 Concentric	0.42"	24" Min	24" Min

CatalogNumber	Mold Family	Connects To	Conductor Size	Conductor OuterDiameter, Nominal	Pipe Size	Outer Diameter
XLVBC2G	VB	Steel Pipe or Flat Surface	2/0 Concentric	0.42"	24" Min	24" Min
XLHSC2L	HS	Steel Pipe or Flat Surface	3/0 Concentric	0.47"	24" Min	24" Min
XLHTC2L	HT	Steel Pipe or Flat Surface	3/0 Concentric	0.47"	24" Min	24" Min
XLVSC2L	VS	Steel Pipe or Flat Surface	3/0 Concentric	0.47"	24" Min	24" Min
XLVNC2QLH	VN	Steel Pipe or Flat Surface	4/0 Concentric	0.53"	24" Min	24" Min
XLVNC2QRH	VN	Steel Pipe or Flat Surface	4/0 Concentric	0.53"	24" Min	24" Min
XLVSC2Q	VS	Steel Pipe or Flat Surface	4/0 Concentric	0.53"	24" Min	24" Min
XLVSC2QW	VS	Steel Pipe or Flat Surface	4/0 Concentric	0.53"	24" Min	24" Min
XLVTC2Q	VT	Steel Pipe or Flat Surface	4/0 Concentric	0.53"	24" Min	24" Min
XLVTC2QW	VT	Steel Pipe or Flat Surface	4/0 Concentric	0.53"	24" Min	24" Min
XLVVR2Q	VV	Steel Pipe or Flat Surface	4/0 Concentric	0.53"	24" Min	24" Min
XLVVR2QS	VV	Steel Pipe or Flat Surface	4/0 Concentric	0.53"	24" Min	24" Min
XLHAH2Q20C	HA	Steel Pipe	4/0 Concentric	0.53"	12" - 24"	12 3/4" - 24"
XLHAH2Q8C	HA	Steel Pipe	4/0 Concentric	0.53"	6" - 10"	6 5/8" - 10 3/4"
XLHDVBC2QS	VB	Steel Pipe or Flat Surface	4/0 Concentric	0.53"	24" Min	24" Min
XLHSC2Q	HS	Steel Pipe or Flat Surface	4/0 Concentric	0.53"	24" Min	24" Min
XLHTC2Q	HT	Steel Pipe or Flat Surface	4/0 Concentric	0.53"	24" Min	24" Min
XLHTC2QW	HT	Steel Pipe or Flat Surface	4/0 Concentric	0.53"	24" Min	24" Min

CatalogNumber	Mold Family	Connects To	Conductor Size	Conductor OuterDiameter, Nominal	Pipe Size	Outer Diameter
XLVBC2Q	VB	Steel Pipe or Flat Surface	4/0 Concentric	0.53"	24" Min	24" Min
XLVFR2Q	VF	Steel Pipe or Flat Surface	4/0 Concentric	0.53"	24" Min	24" Min
XLVFR2QS	VF	Steel Pipe or Flat Surface	4/0 Concentric	0.53"	24" Min	24" Min
XLVTC2V	VT	Steel Pipe or Flat Surface	250 kcmil Concentric	0.57"	24" Min	24" Min
XLVSC3D	VS	Steel Pipe or Flat Surface	350 kcmil Concentric	0.68"	24" Min	24" Min
XLVSC3DS	VS	Steel Pipe or Flat Surface	350 kcmil Concentric	0.68"	24" Min	24" Min
XLHSC3Q	HS	Steel Pipe or Flat Surface	500 kcmil Concentric	0.81"	24" Min	24" Min
XLHSC3QS	HS	Steel Pipe or Flat Surface	500 kcmil Concentric	0.81"	24" Min	24" Min
XLVBR3Q	VB	Steel Pipe or Flat Surface	500 kcmil Concentric	0.81"	24" Min	24" Min
XLVSC4L	VS	Steel Pipe or Flat Surface	750 kcmil Concentric	1"	24" Min	24" Min

Table 2/2

Catalog Number	Certifications
XLVSC1H	cUL, UL
XLVSC1HV3C	UL, cUL
XLVSP1H	
XLVSP1HM	
XLVTC1H	cUL, UL
XLHAA1H	UL, cUL

Catalog Number	Certifications
XLHCA1H	cUL, UL
XLVBC1H	cUL, UL
XLHCA1K	UL, cUL
XLHCA1K162C	UL, cUL
XLVFC1KV3C	
XLVSC1KV3C	cUL, UL
XLVSC1L	cUL, UL
XLVSC1LV3C	UL, cUL
XLVTC1L	UL, cUL
XLVVC1L	
XLHAA1L	cUL, UL
XLHCA1L	cUL, UL
XLHCA1L1.50	UL, cUL
XLHCA1L2	UL, cUL
XLVBC1L	UL, cUL
XLHAA1T	UL, cUL
XLHAA1T162C	UL, cUL
XLVFC1T	

Catalog Number	Certifications
XLVFC1TV4	
XLVSC1TV3C	cUL, UL
XLVSC1TV5C	cUL, UL
XLVSC1V	UL, cUL
XLVSC1VV3C	cUL, UL
XLVTC1V	cUL, UL
XLHAA1V	cUL, UL
XLHCA1V	cUL, UL
XLHSC1V	UL, cUL
XLVBC1V	cUL, UL
XLVFC1V	
XLHSC2C	cUL, UL
XLVBC2C	cUL, UL
XLVFC2C	
XLVGC2C	
XLVSC2C	cUL, UL
XLVSC2CV3C	UL, cUL
XLVSC2CV8C	cUL, UL

Catalog Number	Certifications
XLVVR2C	
XLVVR2CS	
XLVGC2G	
XLVNC2GLH	
XLVSC2G	cUL, UL
XLVSC2GV3C	UL, cUL
XLVSC2GV5C	cUL, UL
XLHFC2G	
XLHSC2G	UL, cUL
XLHTC2G	cUL, UL
XLVBC2G	UL, cUL
XLHSC2L	UL, cUL
XLHTC2L	UL, cUL
XLVSC2L	cUL, UL
XLVNC2QLH	
XLVNC2QRH	
XLVSC2Q	UL, cUL
XLVSC2QW	cUL, UL

Catalog Number	Certifications
XLVTC2Q	cUL, UL
XLVTC2QW	UL, cUL
XLVVR2Q	
XLVVR2QS	
XLHAH2Q20C	UL, cUL
XLHAH2Q8C	UL, cUL
XLHDBC2QS	cUL, UL
XLHSC2Q	cUL, UL
XLHTC2Q	cUL, UL
XLHTC2QW	cUL, UL
XLVBC2Q	cUL, UL
XLVFR2Q	
XLVFR2QS	
XLVTC2V	cUL, UL
XLVSC3D	
XLVSC3DS	
XLHSC3Q	
XLHSC3QS	

Catalog Number	Certifications
XLVBR3Q	
XLVSC4L	

ADDITIONAL PRODUCT DETAILS

A test weld should be made to check for the possibility of burn through on thin sections and to determine detrimental metallurgical effects.

W-XL-XX-X-XX-LH-XX-L-M		
W*	Wear Plates	Reduce mechanical abrasion of molds at cable entry points
XL	ERICO CADWELD EXOLON Designation	
XX	Mold Family	
X	Price Key	
XX	Conductor Size	
LH	Weld End	LH = Weld on left end of conductor RH = Weld on right end of conductor (For VN Mold Family only)
XX	Pipe Size	
L*	Split Crucible	Crucible section is split on molds designed with horizontal opening for easier cleaning
M*	Mold Only	

* Empty if none

WARNING

nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at www.nvent.com and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.

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